

DRAFT

Categories of Actions for Bay-Delta Solutions

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Introduction

Action categories are groupings of similar actions that could be taken to solve or contribute to solutions of problems in the Bay-Delta system. Preliminary descriptions of 37 action categories are presented here to indicate the level of detail that could be useful for discussing types of actions to be considered for attaining the CALFED program objectives. Each of the descriptions identifies types of actions encompassed by the category, the purposes of those types of actions, constraints in implementing those types of actions, and linkages to actions in other categories that could produce greater overall benefits (i.e., synergisms) when implemented with actions in the subject category.

The following category list has been developed based on reviewing reports, activities, and programs of previous and current public and private planning efforts to address problems in the Sacramento-San Joaquin Delta, Suisun Bay, and Suisun Marsh. The following categories would encompass actions (e.g., restoration projects, policies and institutions, operational changes, and facilities) previously identified or newly suggested to address problems and attain objectives of the CALFED Bay-Delta Program.

The workshop discussion will focus on whether the level of detail in these category descriptions will be useful in developing alternative sets of solutions to Bay-Delta problems, which categories provide greater overall benefits in finding solutions to Bay-Delta problems, and what additional action categories need to be described.

Category List

(* = description available at workshop)

Action Categories to Restore Habitat

Restoration of Delta Habitat

- * -- Shallow Water (Tidal)
- * -- Riverine
- * -- Riparian
- * -- Wetland
- * -- Terrestrial

Restoration of Upstream Habitat

- * -- Anadromous Fish
- * -- Riparian
- * -- Wetland

- * Threatened and Endangered Species Recovery
- * Establishment of Integrated Habitat Management Programs
- * Acquisition of Long-Term Water Supplies for Fish and Wildlife
- Establishment of Floodways and Meander Belts
- Control of Introduced Species
- Delta Waterfowl Habitat Management

Action Categories to Reduce the Impacts from Diversions of Important Instream Flows

- * Delta Inflow/Outflow/Export Management
- * Fish Passage and Migration Improvements
- Modification of Diversion (Timing) Patterns
- * Changes in Locations of Diversions
- * Increased Diversion Capacity

Action Categories to Reduce Entrainment Effects of Diversions

- * Fish Screens
- * Installation of Barriers to Fish Movement
- * Adaptive Management Strategies
- Improvement of Fish Salvage Operations
- Predator Removal and Control
- Fish Hatchery and Harvest Management

Action Categories for Managing Demand

- * Desalination
- * Water Conservation

- * Water Reclamation
- * Land Retirement and Fallowing
- Water Pricing

Action Categories to Enhance Water Supply

- * Watershed Management
- * New or Expanded Instream Storage
- * New or Expanded Offstream Storage
- * Groundwater Banking and Management (Conjunctive Use)
- * Construction and Improvement of Conveyance Facilities
- * Delta Channel Modifications

Action Categories to Increase Supply Predictability

- * Water Transfers
- * Modifications of Standard SWP and CVP Operations
- Long-Term Drought Contingency Planning
- Water Resources Data and Information Management
- Establishment of Institution for Integrated Long-Term Water Management
- Establishment of Export Capacity Market
- Integration of Land Use and Water-Supply Planning

Action Categories for Managing Water Quality

- * Installation and Operation of Flow Barriers
- * Management of Agricultural Drainage
- * Management of Urban/Industrial Drainage and Wastewater Discharge

- * Dredged Material Management
- Management of Diversions for Drinking Water
- Management of Mine Drainage

Action Categories for Improving System Reliability

- * Reduction in Land Subsidence
- * Levee Maintenance and Stabilization
- * Flood Protection Improvement
- Protection and Rerouting of Infrastructure
- Reduction of Seismic Hazards
- Establishment of Long-Term Funding Mechanisms